

Minna U Kaikkonen

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

89
papers

4,531
citations

29
h-index

66
g-index

104
ext. papers

5,671
ext. citations

11
avg, IF

5.36
L-index

#	Paper	IF	Citations
89	Reprogramming transcription by distinct classes of enhancers functionally defined by eRNA. <i>Nature</i> , 2011 , 474, 390-4	50.4	665
88	Remodeling of the enhancer landscape during macrophage activation is coupled to enhancer transcription. <i>Molecular Cell</i> , 2013 , 51, 310-25	17.6	462
87	Rev-Erbs repress macrophage gene expression by inhibiting enhancer-directed transcription. <i>Nature</i> , 2013 , 498, 511-5	50.4	423
86	Non-coding RNAs as regulators of gene expression and epigenetics. <i>Cardiovascular Research</i> , 2011 , 90, 430-40	9.9	353
85	Effect of natural genetic variation on enhancer selection and function. <i>Nature</i> , 2013 , 503, 487-92	50.4	241
84	Control of proinflammatory gene programs by regulated trimethylation and demethylation of histone H4K20. <i>Molecular Cell</i> , 2012 , 48, 28-38	17.6	155
83	SREBP1 Contributes to Resolution of Pro-inflammatory TLR4 Signaling by Reprogramming Fatty Acid Metabolism. <i>Cell Metabolism</i> , 2017 , 25, 412-427	24.6	140
82	Avidin-biotin technology in targeted therapy. <i>Expert Opinion on Drug Delivery</i> , 2010 , 7, 551-64	8	136
81	Mechanisms establishing TLR4-responsive activation states of inflammatory response genes. <i>PLoS Genetics</i> , 2011 , 7, e1002401	6	109
80	NCoR repression of LXRs restricts macrophage biosynthesis of insulin-sensitizing omega 3 fatty acids. <i>Cell</i> , 2013 , 155, 200-214	56.2	107
79	Control of inducible gene expression links cohesin to hematopoietic progenitor self-renewal and differentiation. <i>Nature Immunology</i> , 2018 , 19, 932-941	19.1	103
78	Microanatomy of the Human Atherosclerotic Plaque by Single-Cell Transcriptomics. <i>Circulation Research</i> , 2020 , 127, 1437-1455	15.7	96
77	Emerging Roles of Non-Coding RNA Transcription. <i>Trends in Biochemical Sciences</i> , 2018 , 43, 654-667	10.3	84
76	Transcription factor Nr4a1 couples sympathetic and inflammatory cues in CNS-recruited macrophages to limit neuroinflammation. <i>Nature Immunology</i> , 2015 , 16, 1228-34	19.1	79
75	Quantification of nascent transcription by bromouridine immunocapture nuclear run-on RT-qPCR. <i>Nature Protocols</i> , 2015 , 10, 1198-211	18.8	67
74	In vitro targeting of avidin-expressing glioma cells with biotinylated persistent luminescence nanoparticles. <i>Bioconjugate Chemistry</i> , 2012 , 23, 472-8	6.3	67
73	Truncated vesicular stomatitis virus G protein improves baculovirus transduction efficiency in vitro and in vivo. <i>Gene Therapy</i> , 2006 , 13, 304-12	4	66

72	Global SUMOylation on active chromatin is an acute heat stress response restricting transcription. <i>Genome Biology</i> , 2015 , 16, 153	18.3	65
71	Non-invasive Imaging in Gene Therapy. <i>Molecular Therapy</i> , 2007 , 15, 1579-86	11.7	48
70	Post-transcriptional regulatory element boosts baculovirus-mediated gene expression in vertebrate cells. <i>Journal of Biotechnology</i> , 2007 , 131, 1-8	3.7	48
69	25-Hydroxycholesterol activates the integrated stress response to reprogram transcription and translation in macrophages. <i>Journal of Biological Chemistry</i> , 2013 , 288, 35812-23	5.4	47
68	Crosstalk between androgen and pro-inflammatory signaling remodels androgen receptor and NF- κ B cisome to reprogram the prostate cancer cell transcriptome. <i>Nucleic Acids Research</i> , 2017 , 45, 619-630	20.1	45
67	Differential Promoter Methylation of Macrophage Genes Is Associated With Impaired Vascular Growth in Ischemic Muscles of Hyperlipidemic and Type 2 Diabetic Mice: Genome-Wide Promoter Methylation Study. <i>Circulation Research</i> , 2015 , 117, 289-99	15.7	43
66	Differential but Complementary HIF1 α and HIF2 α Transcriptional Regulation. <i>Molecular Therapy</i> , 2018 , 26, 1735-1745	11.7	42
65	Screening of complement inhibitors: shielded baculoviruses increase the safety and efficacy of gene delivery. <i>Molecular Therapy</i> , 2010 , 18, 987-92	11.7	37
64	Oxidative stress-regulated lentiviral TK/GCV gene therapy for lung cancer treatment. <i>Cancer Research</i> , 2012 , 72, 6227-35	10.1	35
63	Control of VEGF-A transcriptional programs by pausing and genomic compartmentalization. <i>Nucleic Acids Research</i> , 2014 , 42, 12570-84	20.1	34
62	NRF2 regulates endothelial glycolysis and proliferation with miR-93 and mediates the effects of oxidized phospholipids on endothelial activation. <i>Nucleic Acids Research</i> , 2018 , 46, 1124-1138	20.1	33
61	Targeting and purification of metabolically biotinylated baculovirus. <i>Human Gene Therapy</i> , 2008 , 19, 589-600	4.0	29
60	Baculovirus-mediated immediate-early gene expression and nuclear reorganization in human cells. <i>Cellular Microbiology</i> , 2008 , 10, 667-81	3.9	28
59	Differential regulation of angiogenic cellular processes and claudin-5 by histamine and VEGF via PI3K-signaling, transcription factor SNAI2 and interleukin-8. <i>Angiogenesis</i> , 2017 , 20, 109-124	10.6	27
58	SPECT/CT imaging of baculovirus biodistribution in rat. <i>Gene Therapy</i> , 2007 , 14, 930-8	4	27
57	MicroRNAs mediate the senescence-associated decline of NRF2 in endothelial cells. <i>Redox Biology</i> , 2018 , 18, 77-83	11.3	27
56	Aggravated Postinfarct Heart Failure in Type 2 Diabetes Is Associated with Impaired Mitophagy and Exaggerated Inflammasome Activation. <i>American Journal of Pathology</i> , 2017 , 187, 2659-2673	5.8	26
55	Endothelial cell differentiation is encompassed by changes in long range interactions between inactive chromatin regions. <i>Nucleic Acids Research</i> , 2018 , 46, 1724-1740	20.1	26

54	Clonal variation in interferon response determines the outcome of oncolytic virotherapy in mouse CT26 colon carcinoma model. <i>Gene Therapy</i> , 2015 , 22, 65-75	4	25
53	(Strept)avidin-displaying lentiviruses as versatile tools for targeting and dual imaging of gene delivery. <i>Gene Therapy</i> , 2009 , 16, 894-904	4	25
52	Transcription-coupled genetic instability marks acute lymphoblastic leukemia structural variation hotspots. <i>ELife</i> , 2016 , 5,	8.9	25
51	BMP6/TAZ-Hippo signaling modulates angiogenesis and endothelial cell response to VEGF. <i>Angiogenesis</i> , 2021 , 24, 129-144	10.6	25
50	Global analysis of transcription in castration-resistant prostate cancer cells uncovers active enhancers and direct androgen receptor targets. <i>Scientific Reports</i> , 2016 , 6, 33510	4.9	21
49	Polycomb Repressive Complex 2 Enacts Wnt Signaling in Intestinal Homeostasis and Contributes to the Instigation of Stemness in Diseases Entailing Epithelial Hyperplasia or Neoplasia. <i>Stem Cells</i> , 2017 , 35, 445-457	5.8	19
48	Analysis of primary microRNA loci from nascent transcriptomes reveals regulatory domains governed by chromatin architecture. <i>Nucleic Acids Research</i> , 2017 , 45, 9837-9849	20.1	19
47	How to avoid complement attack in baculovirus-mediated gene delivery. <i>Journal of Invertebrate Pathology</i> , 2011 , 107 Suppl, S71-9	2.6	18
46	Deletion of Lymphangiogenic and Angiogenic Growth Factor VEGF-D Leads to Severe Hyperlipidemia and Delayed Clearance of Chylomicron Remnants. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018 , 38, 2327-2337	9.4	18
45	Novel Lipid Long Intervening Noncoding RNA, Oligodendrocyte Maturation-Associated Long Intergenic Noncoding RNA, Regulates the Liver Steatosis Gene Stearoyl-Coenzyme A Desaturase As an Enhancer RNA. <i>Hepatology Communications</i> , 2019 , 3, 1356-1372	6	17
44	Targeted delivery via avidin fusion protein: intracellular fate of biotinylated doxorubicin derivative and cellular uptake kinetics and biodistribution of biotinylated liposomes. <i>European Journal of Pharmaceutical Sciences</i> , 2012 , 47, 848-56	5.1	17
43	Culture medium induced vimentin reorganization associates with enhanced baculovirus-mediated gene delivery. <i>Journal of Biotechnology</i> , 2010 , 145, 111-9	3.7	17
42	Identification and characterization of a FOXA2-regulated transcriptional enhancer at a type 2 diabetes intronic locus that controls GCKR expression in liver cells. <i>Genome Medicine</i> , 2017 , 9, 63	14.4	16
41	Transcriptional Profiling of Hypoxia-Regulated Non-coding RNAs in Human Primary Endothelial Cells. <i>Frontiers in Cardiovascular Medicine</i> , 2018 , 5, 159	5.4	16
40	Genome-Wide Dynamics of Nascent Noncoding RNA Transcription in Porcine Heart After Myocardial Infarction. <i>Circulation: Cardiovascular Genetics</i> , 2017 , 10,		15
39	Baculovirus-mediated vascular endothelial growth factor-D(VEGF-D) gene transfer induces angiogenesis in rabbit skeletal muscle. <i>Journal of Gene Medicine</i> , 2012 , 14, 35-43	3.5	14
38	Vespucci: a system for building annotated databases of nascent transcripts. <i>Nucleic Acids Research</i> , 2014 , 42, 2433-47	20.1	14
37	Avidin fusion protein-expressing lentiviral vector for targeted drug delivery. <i>Human Gene Therapy</i> , 2009 , 20, 871-82	4.8	14

36	Systems Genetics in Human Endothelial Cells Identifies Non-coding Variants Modifying Enhancers, Expression, and Complex Disease Traits. <i>American Journal of Human Genetics</i> , 2020 , 106, 748-763	11	14
35	Single-Cell Epigenomics and Functional Fine-Mapping of Atherosclerosis GWAS Loci. <i>Circulation Research</i> , 2021 , 129, 240-258	15.7	13
34	Slit2 modifies VEGF-induced angiogenic responses in rabbit skeletal muscle via reduced eNOS activity. <i>Cardiovascular Research</i> , 2015 , 107, 267-76	9.9	12
33	Genetic Regulation of Atherosclerosis-Relevant Phenotypes in Human Vascular Smooth Muscle Cells. <i>Circulation Research</i> , 2020 , 127, 1552-1565	15.7	12
32	Extensive reprogramming of the nascent transcriptome during iPSC to hepatocyte differentiation. <i>Scientific Reports</i> , 2019 , 9, 3562	4.9	10
31	Axon Guidance-Related Factor FLRT3 Regulates VEGF-Signaling and Endothelial Cell Function. <i>Frontiers in Physiology</i> , 2019 , 10, 224	4.6	9
30	The corepressors GPS2 and SMRT control enhancer and silencer remodeling via eRNA transcription during inflammatory activation of macrophages. <i>Molecular Cell</i> , 2021 , 81, 953-968.e9	17.6	9
29	NRF2 is a key regulator of endothelial microRNA expression under proatherogenic stimuli. <i>Cardiovascular Research</i> , 2021 , 117, 1339-1357	9.9	8
28	Distribution and dynamics of transcription-associated proteins during parvovirus infection. <i>Journal of Virology</i> , 2012 , 86, 13779-84	6.6	7
27	Radiosynthesis and preclinical evaluation of [⁶⁷ Zn]Ga-NOTA-folate for PET imaging of folate receptor β -positive macrophages. <i>Scientific Reports</i> , 2020 , 10, 13593	4.9	7
26	Comparative transcriptome analysis of matched primary and distant metastatic ovarian carcinoma. <i>BMC Cancer</i> , 2019 , 19, 1121	4.8	7
25	Meta-Analysis of Smooth Muscle Lineage Transcriptomes in Atherosclerosis and Their Relationships to In Vitro Models. <i>Immunometabolism</i> , 2021 , 3,	4.1	7
24	Snake venom VEGF Vammin induces a highly efficient angiogenic response in skeletal muscle via VEGFR-2/NRP specific signaling. <i>Scientific Reports</i> , 2017 , 7, 5252	4.9	6
23	Hypoxia-Mediated Regulation of Histone Demethylases Affects Angiogenesis-Associated Functions in Endothelial Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020 , 40, 2665-2677	9.4	6
22	Genomic Landscapes of Noncoding RNAs Regulating and Expression in Endothelial Cells. <i>Molecular and Cellular Biology</i> , 2021 , 41, e0059420	4.8	5
21	Profiling of Primary and Mature miRNA Expression in Atherosclerosis-Associated Cell Types. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021 , 41, 2149-2167	9.4	5
20	Temporal Dynamics of Gene Expression During Endothelial Cell Differentiation From Human iPSC Cells: A Comparison Study of Signalling Factors and Small Molecules. <i>Frontiers in Cardiovascular Medicine</i> , 2018 , 5, 16	5.4	4
19	Biodistribution and antitumor effect of Cetuximab-targeted lentivirus. <i>Nuclear Medicine and Biology</i> , 2014 , 41, 77-83	2.1	4

18	Does mass balance between sense and antisense transcripts fine-tune the outcome of gene expression?. <i>EMBO Reports</i> , 2014 , 15, 125-6	6.5	4
17	Integrative analysis of liver-specific non-coding regulatory SNPs associated with the risk of coronary artery disease. <i>American Journal of Human Genetics</i> , 2021 , 108, 411-430	11	4
16	Functional Variant in the GCKR Gene Affects Lactate Levels Differentially in the Fasting State and During Hyperglycemia. <i>Scientific Reports</i> , 2018 , 8, 15989	4.9	3
15	Genetics instability of wtAAV2 genome and AAV promoter activities in the Baculovirus/Sf9 cells system. <i>PLoS ONE</i> , 2018 , 13, e0199866	3.7	2
14	Corrigendum to Non-invasive Imaging in Gene Therapy <i>Molecular Therapy</i> , 2007 , 15, 2052	11.7	2
13	Elevated circulating follistatin associates with an increased risk of type 2 diabetes. <i>Nature Communications</i> , 2021 , 12, 6486	17.4	2
12	The proapoptotic gene interferon regulatory factor-1 mediates the antiproliferative outcome of paired box 2 gene and tamoxifen. <i>Oncogene</i> , 2020 , 39, 6300-6312	9.2	2
11	Single-cell dissection of live human hearts in ischemic heart disease and heart failure reveals cell-type-specific driver genes and pathways		2
10	Characterization of a functional endothelial super-enhancer that regulates ADAMTS18 and angiogenesis. <i>Nucleic Acids Research</i> , 2021 , 49, 8078-8096	20.1	2
9	Polycomb Repressive Complex 2 Regulates Genes Necessary for Intestinal Microfold Cell (M Cell) Development. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021 , 12, 873-889	7.9	2
8	Nuclear microRNA-466c regulates Vegfa expression in response to hypoxia.. <i>PLoS ONE</i> , 2022 , 17, e0265948	9.8	2
7	Peripheral inflammation preceding ischemia impairs neuronal survival through mechanisms involving miR-127 in aged animals. <i>Aging Cell</i> , 2021 , 20, e13287	9.9	1
6	Therapeutic effects of rosuvastatin in hypercholesterolemic prediabetic mice in the absence of low density lipoprotein receptor. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019 , 1863, 481-490	4	1
5	Functional noncoding SNPs in human endothelial cells fine-map vascular trait associations.. <i>Genome Research</i> , 2022 , 32, 409-424	9.7	1
4	Parvovirus nonstructural protein 2 interacts with chromatin-regulating cellular proteins.. <i>PLoS Pathogens</i> , 2022 , 18, e1010353	7.6	0
3	Exploiting Glutamine Consumption in Atherosclerotic Lesions by Positron Emission Tomography Tracer (2,4)-4-F-Fluoroglutamine.. <i>Frontiers in Immunology</i> , 2022 , 13, 821423	8.4	
2	Characterizing the Global Transcriptional Effects of TEL-AML1-Fusion in Childhood Acute Lymphoblastic Leukemia. <i>Blood</i> , 2014 , 124, 3794-3794	2.2	
1	Negative Regulation of Enhancer-Associated RNA in Macrophages. <i>FASEB Journal</i> , 2012 , 26, 912.1	0.9	

